

ABSTRACT OF THE DISCLOSURE

5 A spin pack assembly for spunbond production for
constructing spunbond fabrics or laminates composed of
bicomponent filaments that includes a spinneret, one or more
distribution plates, a dual-chamber spin pack housing for
polymer A and polymer B, and a diversion frame in each polymer
housing chamber in conjunction with a screen and screen support
to provide uniform polymer flow to the distribution plate for
large-scale spin pack length-to-width ratio and for use with a
10 large number of holes, up to 6,000 per meter. The present
invention provides an even and accurate distribution of the
polymer flow to insure uniform fabric in thickness and weight
basis to be produced.

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